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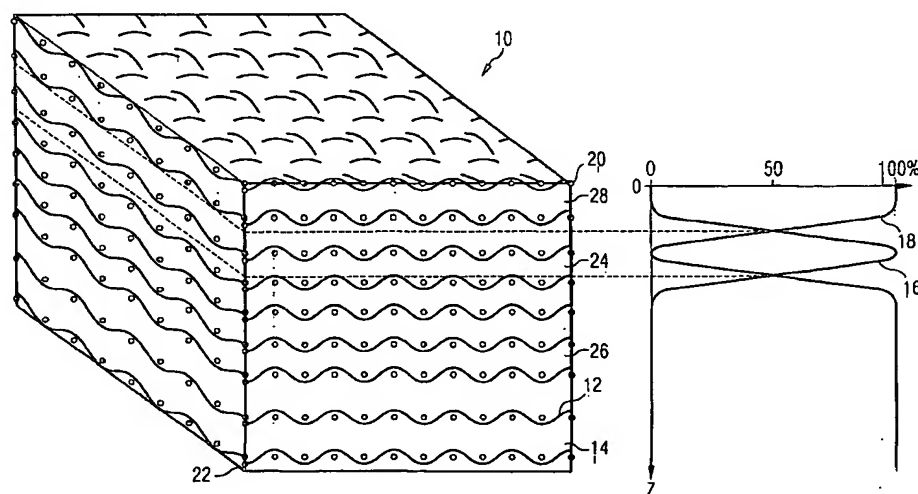
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(54) Title: COMPOSITE MATERIAL FOR ACOUSTIC DAMPING



(57) Abstract: A composite material (10) for acoustic or mechanical damping, comprising: a plurality of layers (12) of fibrous material embedded in a solid material (14), characterised in that the solid material has a composition which varies through a depth of the material, the composition having a relatively high proportion of a first material (18), being a structural composite resin, and a relatively low proportion of a second material (16), being a material of high hysteretic loss, at the outer surfaces of the material, and the composition having a damping region (24) between the outer surfaces wherein the composition has a relatively high proportion of the second material and a relatively low proportion of the first material, the composition, the composition of the solid material varying through a gradual change in composition between the damping region and the outer surfaces, such that the material contains no abrupt changes in composition

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